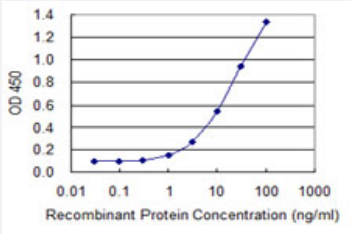
FOXP2 monoclonal antibody (M02), clone 1F8

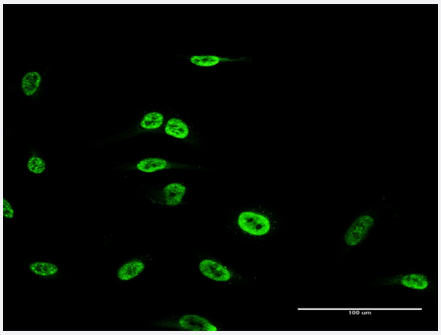
Catalog # H00093986-M02 Size 100 ug

Applications



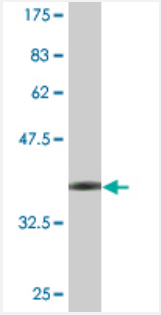
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged FOXP2 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to FOXP2 on HeLa cell . [antibody concentration 5 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant FOXP2.

Immunogen	FOXP2 (NP_055306, 616 a.a. ~ 715 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LAESSLPLLSNPGLINNASSGLLQAVHEDLNGSLDHIDSNGNSSPGCSPQPHIHSIHVKEEPVIAEDEDCPMSLVTTANHSPELEDDREIEEEPLSEDLE
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (61)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged FOXP2 is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to FOXP2 on HeLa cell . [antibody concentration 5 ug/ml]

Gene Info — FOXP2

Entrez GeneID	93986
GeneBank Accession#	NM_014491

Protein Accession#	NP_055306
Gene Name	FOXP2
Gene Alias	CAGH44, DKFZp686H1726, SPCH1, TNRC10
Gene Description	forkhead box P2
Omim ID	602081 605317
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an evolutionarily conserved transcription factor expressed in fetal and adult brain. This transcription factor is a member of the forkhead/winged-helix (FOX) family of transcription factors, and contains a FOX DNA-binding domain and a large polyglutamine tract. Members of the FOX family of transcription factors are regulators of embryogenesis. The product of this gene is thought to be required for proper development of speech and language regions of the brain during embryogenesis. Although a point mutation in this gene has been associated with the KE pedigree segregating developmental verbal dyspraxia, no association between mutations in this gene and another speech disorder, autism, has been found. Multiple alternative transcripts encoding different isoforms have been identified. [provided by RefSeq
Other Designations	CAG repeat protein 44|OTTHUMP00000067772|forkhead/winged-helix transcription factor|speech and language disorder 1|trinucleotide repeat containing 10

Disease

- Articulation Disorders
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Cardiovascular Diseases
- Celiac Disease
- Cleft Lip
- Cleft Palate
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Hallucinations
- Language Development Disorders

- Language Disorders
- Mental Disorders
- NARP
- Obesity
- Psychiatric Status Rating Scales
- Schizophrenia